MODERN DREDGING MACHINERY

A. W. ROBINSON, M. INST. C. E.

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TYPICAL EXAMPLES

OF

MODERN DREDGING MACHINERY

SELECTED FROM
RECENT DESIGNS BY

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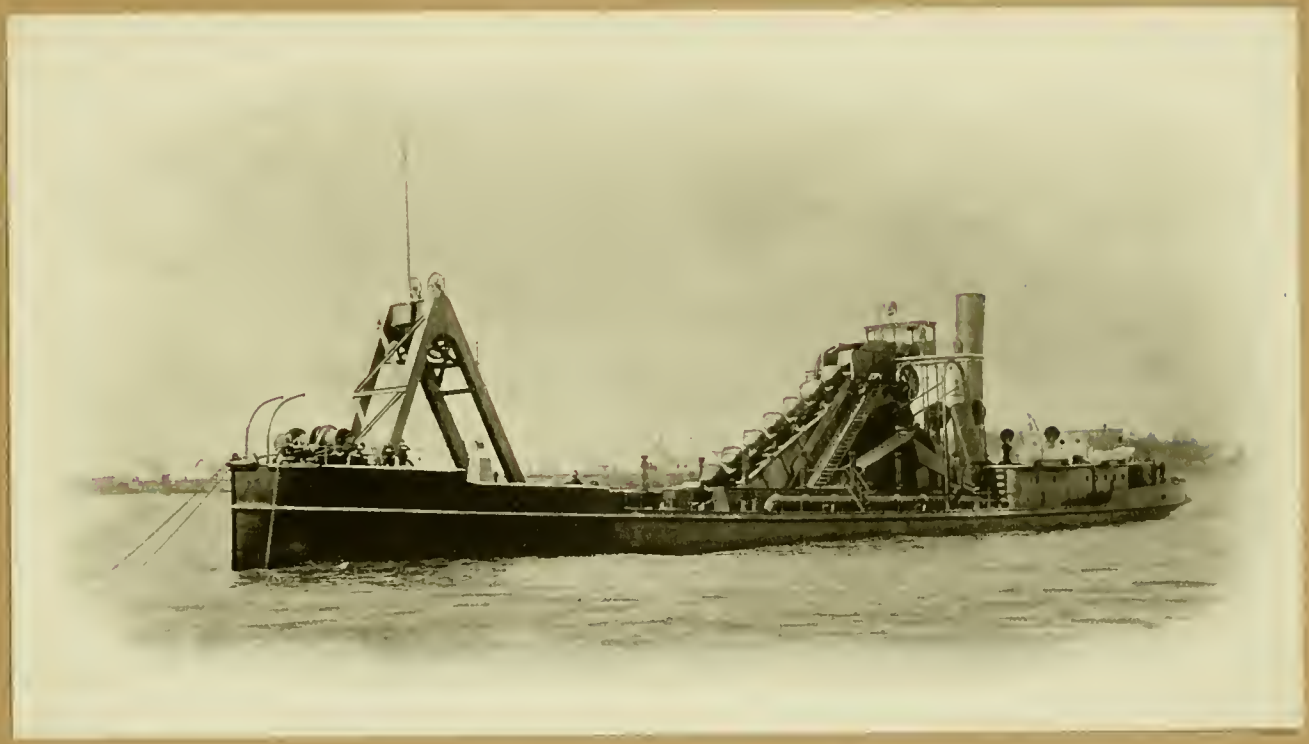

SEA-GOING HOPPER DREDGE "FIELDING"
CAPACITY: 800 CUBIC YARDS PER HOUR: DREDGING DEPTH, 52 FEET

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MONTREAL, CANADA

SEA-GOING ELEVATOR DREDGE "DENVER"

CAPACITY: 1,000 CUBIC YARDS PER HOUR: FITTED WITH IMPROVED RENEWABLE FACE-PLATES FOR TUMBLERS AND DURABLE PINS AND BUSHINGS. RECORD—2½ YEARS' SERVICE WITHOUT TAKING APART

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

THIRTY-INCH HYDRAULIC DREDGE "SIMMONS"

A. W. Robinson, M. Inst. C.E
Montreal, Canada

THE ROBINSON IMPROVED ROTARY CUTTER
FOR HEAVY CLAY SOILS

A. W. ROBINSON, M. INST. C. E
MONTREAL, CANADA

MASSES OF STIFF CLAY DREDGED BY ROBINSON'S IMPROVED CUTTER AND PUMPED THROUGH 2,000 FEET OF PIPE

A. W. ROBINSON. M. INST C.E
MONTREAL. CANADA

THIRTY-SIX-INCH HYDRAULIC DREDGE "TARTE"
WORLD'S RECORD—750,000 CUBIC YARDS IN ONE MONTH

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

FLOATING PIPE LINE FOR DREDGE "TARTE"

FITTED WITH ROBINSON'S PATENT BALL AND SOCKET SPRING JOINTS
FOR WITHSTANDING SEA WAVES

A. W. ROBINSON, M. INST. C.E
MONTREAL, CANADA

3,500-HORSE POWER DREDGES "JINGA" AND "KALU"

FITTED WITH ROBINSON'S IMPROVED CUTTER AND SUCTION APPARATUS

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

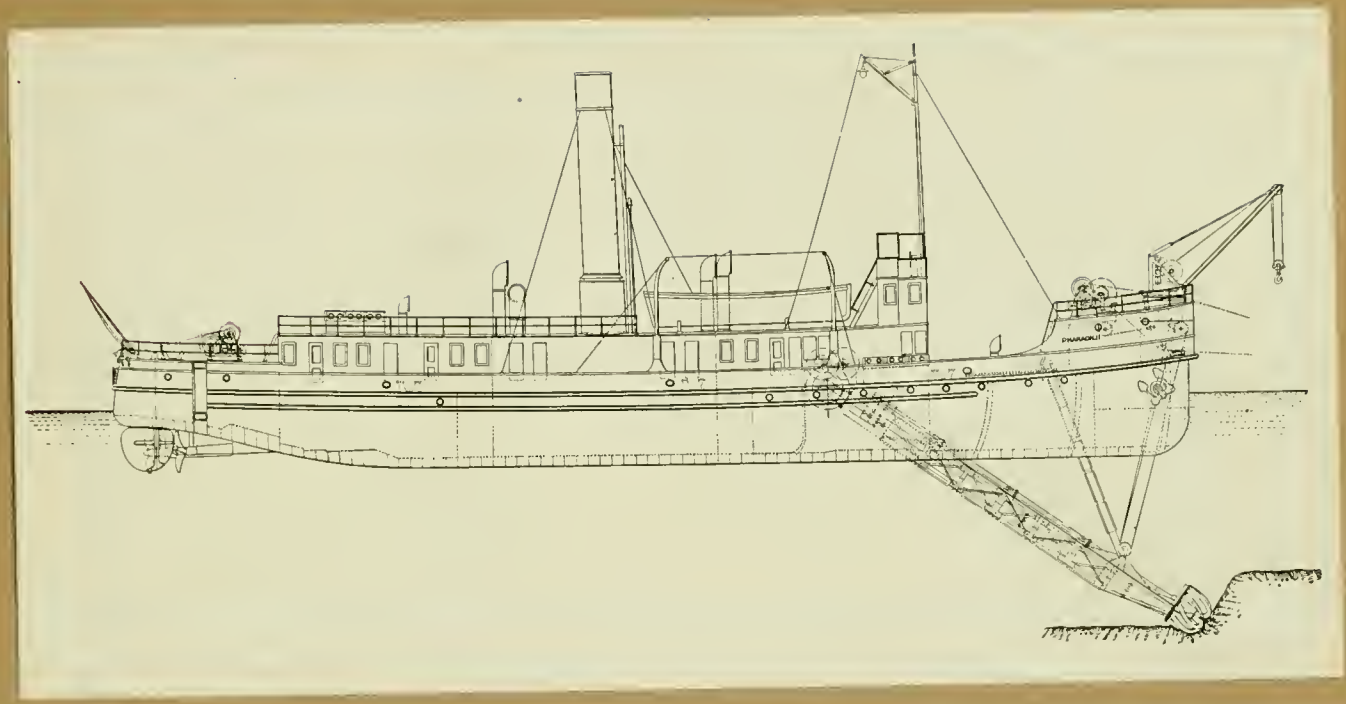
TWENTY-FOUR-INCH HYDRAULIC DREDGE "ALEXANDRA"

FITTED WITH ROBINSON'S IMPROVED CUTTER AND SUCTION APPARATUS

A. W. Robinson, M. Inst. C.E.
Montreal, Canada

HYDRAULIC DREDGE "PHARAON II"
FITTED WITH ROBINSON'S CUTTER

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA



HYDRAULIC DREDGE "PHARAON II"

FITTED WITH ROBINSON'S CUTTER

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HYDRAULIC DREDGE "PHARAON II"

FITTED WITH ROBINSON'S CUTTER

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

SELF-PROPELLING HYDRAULIC DREDGE "KING EDWARD"

A. W. ROBINSON, M. INST C.E.
MONTREAL, CANADA

LIGHT-DRAFT SELF-PROPELLING FORWARD-FEED DREDGE "QUORRA"

CAPACITY: 1,000 CUBIC YARDS PER HOUR

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MONTREAL, CANADA

TWENTY-INCH HYDRAULIC DREDGE

EXCAVATING ENTIRE PRISM OF CANAL AT ONE OPERATION. RECORD—220,00 CUBIC YARDS PER MONTH

A. W. ROBINSON, M. INST C.E.
MONTREAL, CANADA

ONE OF FOUR LARGE LAND RECLAMATION DREDGES

A. W. ROBINSON, M. INST. C.E
MONTREAL, CANADA

HYDRAULIC DREDGE ON UPPER WHITE NILE

A. W. ROBINSON, M. INST C.E.
MONTREAL, CANADA

GRAB DREDGE, WORKING IN SUDD

SUSPENDED SHORE DISCHARGE OF HYDRAULIC DREDGE

A. W. ROBINSON, M. INST. C.E
MONTREAL, CANADA

DIPPER DREDGE

TWELVE TONS EVERY FORTY SECONDS

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

FOUR-YARD DIPPER DREDGE

SHOWING ROBINSON'S PATENT BOOM AND DIRECT HOIST

A. W. Robinson, M. Inst C.E
Montreal, Canada

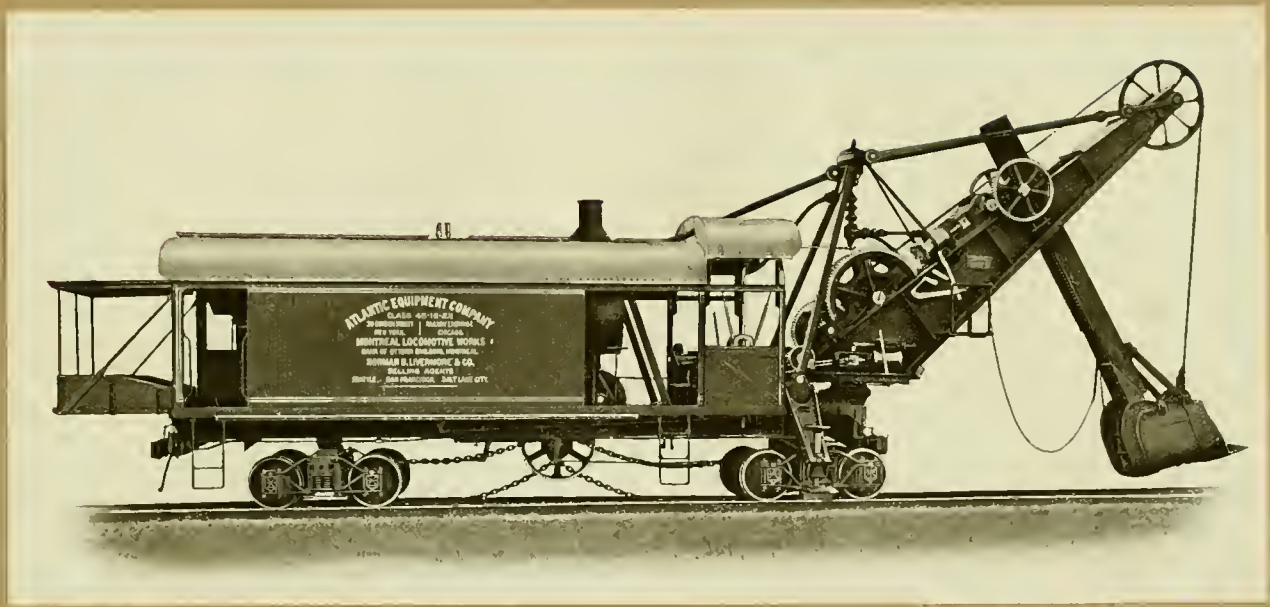
FOUR-AND-A-HALF-YARD DIPPER DREDGE

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

FIVE-YARD DIPPER DREDGE

A. W. ROBINSON, M. INST. C.E.
MONTREAL, CANADA

EIGHT-YARD DIPPER DREDGE "CAYO PIEDRA



Mr. Robinson first began to develop the modern type of American shovel in 1886, and his designs are in use on all leading railroads and Public works, Panama Canal, etc. The above represents the latest type of shovel for railway use with direct wire rope hoist. Weight, 68 tons: lifting power, 23 tons: capacity of dipper, 2½ cubic yards: speed, 4 dippers per minute, or 20 cubic yards per minute.

A. W. Robinson, M. Inst. C.E.
Montreal, Canada

THREE-AND-A-HALF CUBIC FEET GOLD DREDGE

A. W. ROBINSON, M. INST. C.E
MONTREAL, CANADA

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Robinson, Arthur Wells, 1861-1929.
Typical examples of modern dredging machinery : selected from recent designs by A. W. Robinson / W. T. Colman. [Chicago? : s.n., 18--?]
26 leaves of plates : 26 ill. ; 16 x 24 cm.

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